Discrete Mathematics
Volume 201, Numbers 1–3, 28 April 1999

Contents

Editorial

W.T. Trotter 1

Contributions

G. Agnarsson, S. Felsner and W.T. Trotter
The maximum number of edges in a graph of bounded dimension, with applications to ring theory 5

K.P. Bogart and D.B. West
A short proof that 'proper = unit' 21

G. Brightwell
Balanced pairs in partial orders 25

G. Brightwell, D.A. Grable and H.J. Prömel
Forbidden induced partial orders 53

R. Bubley and M. Dyer
Faster random generation of linear extensions 81

D. Duffus and B. Sands
An inequality for the sizes of prime filters of finite distributive lattices 89

S. Felsner, P.C. Fishburn and W.T. Trotter
Finite three dimensional partial orders which are not sphere orders 101

S. Hoşten and W.D. Morris Jr.
The order dimension of the complete graph 133

H.A. Kierstead
The dimension of two levels of the Boolean lattice 141

U. Leimich and K. Reuter
The fractional dimension of subsets of Boolean lattices and of cartesian products 157

Z. Lonc
On ordered sets without 2-colourings 171

R.M. McConnell and J.P. Spinrad
Modular decomposition and transitive orientation 189

Author index to volume 201 243